



State of Vermont

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
State Geologist
RELAY SERVICE FOR THE HEARING IMPAIRED
1-800-253-0191 TDD>Voice
1-800-253-0195 Voice>TDD

AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation
Waste Management Division
103 South Main Street / West Building
Waterbury, Vermont 05671-0404
(802) 241-3888
FAX (802) 241-3296

June 29, 1999

GENE PUSHEE
BRADFORD OIL COMPANY
PO BOX 394
BRADFORD VT 05033-0394

RE: Site Management Activity Completed, LBJ'S MARKET, WORCESTER (VTDEC Site #97-2250).

Dear Mr. Pushee:

The Vermont Department of Environmental Conservation, Sites Management Section (SMS), has recently reviewed the latest site update which details the abandonment of all on-site monitoring wells for the above referenced site (prepared by Marin Environmental, dated June 18, 1999). From this report and other information contained in the site file, the SMS concludes the following:

- In September 1997, four underground storage tanks (USTs) was removed from the property. Two 6,000 gallon in-service gasoline USTs, a 4,000 gallon in-service diesel UST and a 1,000 gallon in-service kerosene UST were removed. At the time of removal, the two gasoline and the one diesel UST were found to be in fair condition and the kerosene UST was in poor condition. Soil beneath the kerosene UST exhibited photoionization detector (PID) readings of up to 60 parts per million (ppm). PID readings of up to 100 ppm were found beneath the gasoline pumps.
- Approximately eight cubic yards of petroleum-contaminated soil was excavated during the removal of the USTs. The soil was polyencapsulated and stockpiled on-site.
- An initial subsurface characterization was performed which included the advancement of four monitoring wells. No volatile organic compounds (VOCs) were detected above the Vermont Groundwater Enforcement Standards (VTGES). However, the highest constituent levels were detected in the farthest downgradient well.
- Since the highest level of contaminants were detected in the farthest downgradient well, the downgradient extent of contamination was not defined. In addition, two municipal water-supply wells that serve the Worcester Fire District No. 1 were located approximately 300 feet downgradient of the former USTs. Because of these findings, two additional monitoring wells were installed further downgradient of the other monitoring wells.
- Analysis of groundwater samples collected from the two furthest downgradient monitoring wells also indicated that no VOCs were detected above the VTGES.
- No petroleum related compounds were detected in the sample collected from the public water

supply well.

- No drinking water supplies appear to be threatened in the area because the drinking water comes from a municipal system which is supplied by a bedrock well. The well is approximately 250 feet deep and is located approximately 300 feet downgradient of the site.
- The on-site soil stockpile was monitored. The latest PID results were conducted on April 28, 1999. No VOCs were detected above 1 ppm.
- All monitoring wells were abandoned pursuant to Section 12.3.5 in Appendix A of the Vermont Water Supply Rule-Chapter 21.
- In addition to the municipal system, an additional out-of-service town water supply exists near the municipal system. A letter was sent on January 13, 1999 to the Worcester Fire District stating that before the out-of-service town water supply well is ever reactivated, that a sample has to be collected and analyzed for the possible presence of VOCs by EPA method 524.2 and for polycyclic aromatic hydrocarbons (PAHs) by EPA method 525.2.

Based on the above, the SMS has determined that this site is now eligible for a Site Management Activity Completed (SMAC) designation. The SMS concludes that:

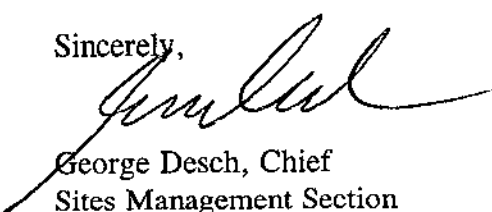
- the nature and extent of contamination has been adequately defined;
- groundwater enforcement standards are met on the entire property;
- constituents of concern in soils are not greater than regulatory levels and;
- any residual contamination does not pose an unacceptable risk to human health or the environment.

Based on these findings, the SMS has determined that site management activities have been completed. The completion of these activities does not release the LBJ's Market of any past or future liability which may arise from the contamination discovered at the property. It does mean that the SMS is not requiring any additional work to be performed in response to the contamination discovered at this site.

If you have any additional questions or comments, please feel free to contact either me or Bruce Linton at (802) 241-3888.

The SMS appreciates your continued cooperation in this matter.

Sincerely,



George Desch, Chief
Sites Management Section

cc: Darlene Autery, Marin Environmental
Carolyn Wells, Worcester Town Clerk
DEC Regional Office